

Light Chain

	Framework 1	Framework 2	Framework 3	Framework 4
V10	DIVMSQSPDSLAVSLGERVTINC	WYQQKPGQSPKLLIY	GVPDRFSGSGSGTDFTLTITISSVQAEDVAVYYC	FGAGTKLELK
V35	-----A-I--	-----	-----L-----	-----I--
V37	-----A-I--	-----P-----	-----L-----	-----Q-----I--

Heavy Chain

	Framework 1	Framework 2	Framework 3	Framework 4
V10	QVQLVQSGAEVVKPGASVKISKASGYTFT	WVKQNPQORLEWIG	KATLTADTSASTAYVELSSLRSEDTAIFYFCTR	WGQGILVTVSS
V40	-----V-----	---R-----M-	RV-I-----M-	-----
V41	-----K-----V-----	---R-A-----M-	RV-I-----M-	-----

FIG. 2

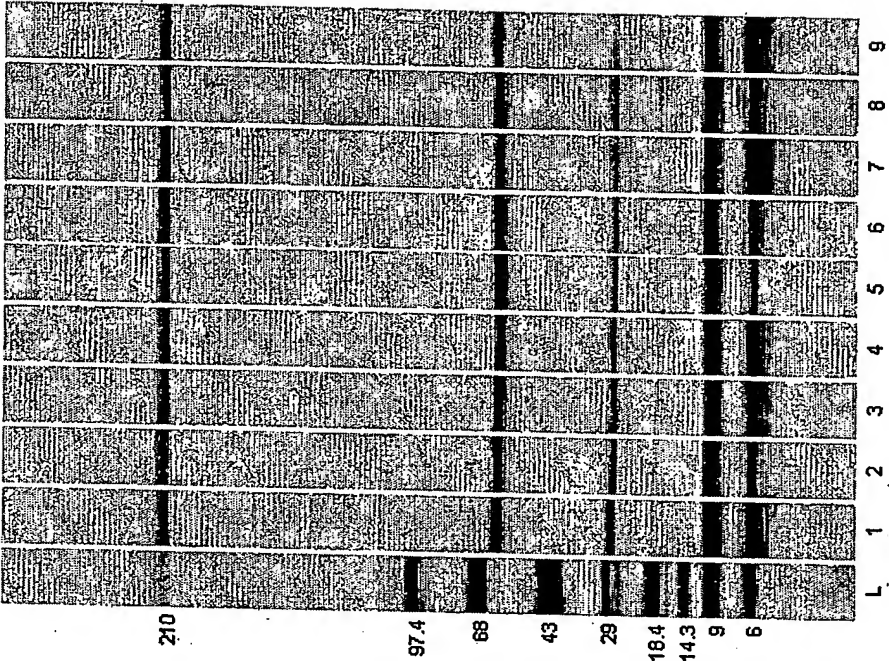
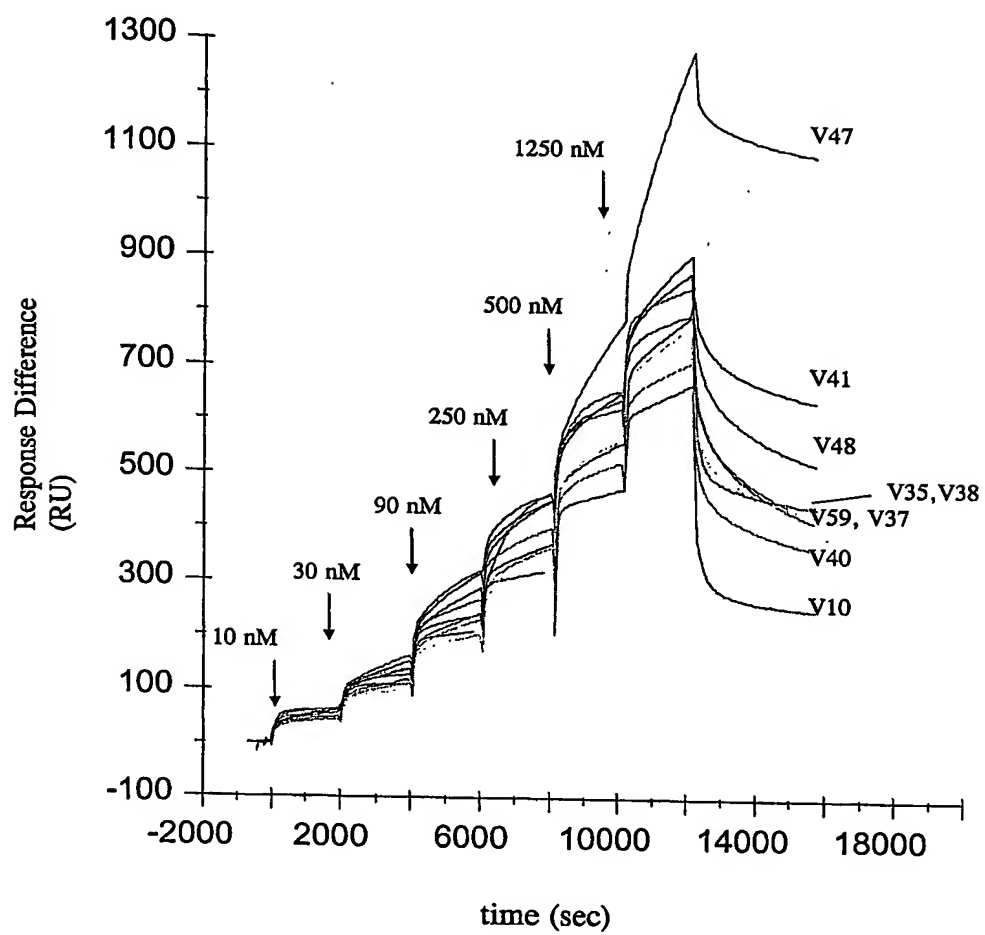
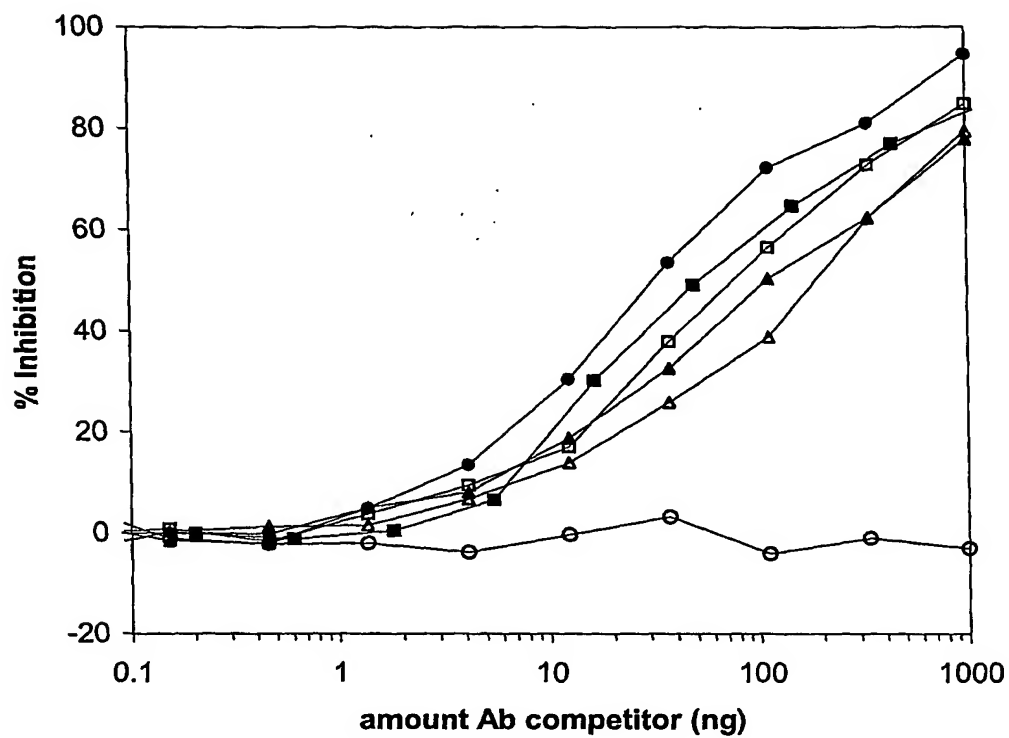


FIG. 3

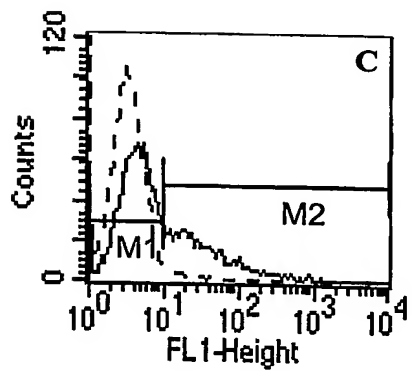
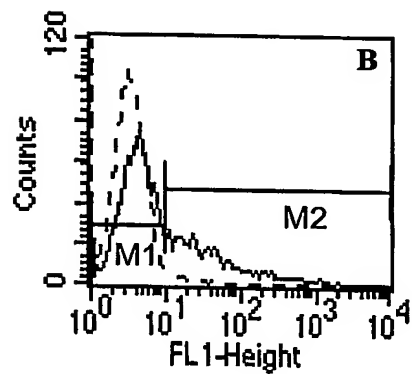
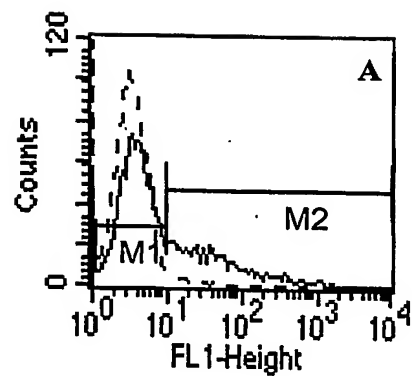
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**FIG. 4**

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**FIG. 5**

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**FIG. 6**

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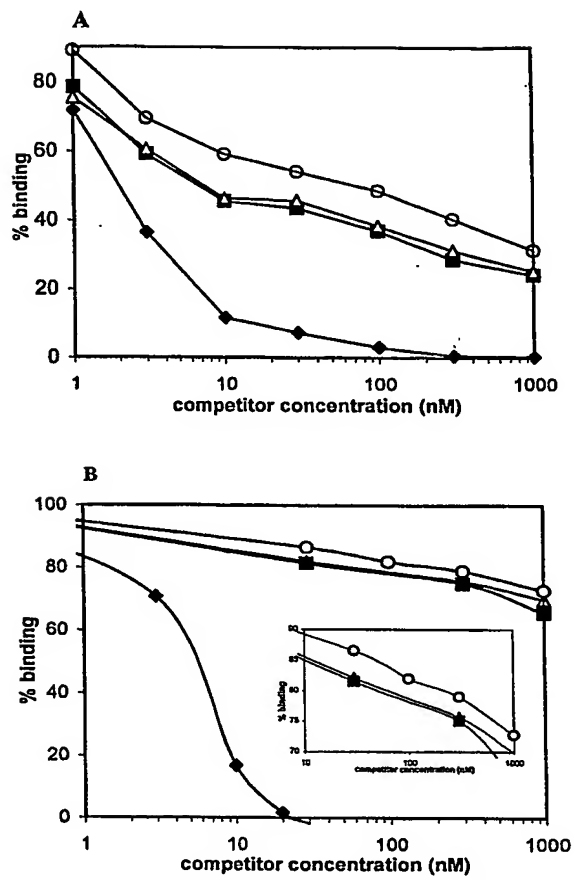


FIG. 7

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FIG. 8

## Light chain

CDR1  
CC49/HuCC49  
LEN

24 Lys 25 Ser 26 Ser 27 Gln Ser 28 Gln Ser 29 Gln Ser 30 Lys Asn 31 Asn Tyr 32 Tyr Leu 33 Leu 34 Ala

CDR2  
CC49/HuCC49  
LEN

50 Trp 51 Ala 52 Ser 53 Ala 54 Arg 55 Glu 56 Ser

CDR3  
CC49/HuCC49  
LEN

89 Gln 90 Gln 91 Tyr 92 Tyr 93 Ser 94 Thr 95 Pro 96 Leu 97 Thr

## Heavy chain

CDR1  
CC49/HuCC49  
21/28'CL

31 Asp 32 His 33 Ala 34 Ile 35 His

CDR2  
CC49/HuCC49  
21/28'CL

50 Trp 51 Phe 52 Ser 53 Pro 54 Gly 55 Asn 56 Asp 57 Phe 58 Lys 59 Tyr 60 Asn 61 Glu 62 Arg 63 Phe 64 Lys 65 Gly

CDR3  
CC49/HuCC49  
21/28'CL

95 Ser 96 Leu 97 Asn 98 Met 99 Ala 100 Ser 101 - 102 Tyr



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## LIGHT

## A.

	Fwk1	CDR1	Fwk2
mCC49	***** * * * * *	*****	*****
LEN	DIVMSQSPSSLPVSVGEKVTLS	KSSQSLLYSGNQKNYLA	WYQQKPGQSPKLLIY
HuCC49	DIVMTQSPDSLAVSLGERATINC	KSSQSLLYSGNQKNYLA	WYQQKPGQPPKLLIY

	CDR2	Fwk3	CDR3	Fwk4
mCC49	WASARES	GVPDRFTGSGSGTDFTLSISSVKTEDLAVYYC	QQYYSYPLT	FGAGTKLVLK
LEN		GVPDRFSGSGSGTDFTLTISSLQAEDVAVYYC		FGQGTKLEIK
HuCC49	WASARES	GVPDRFSGSGSGTDFTLTISSLQAEDVAVYYC	QQYYSYPLT	FGAGTKLELK

## HEAVY

## B.

	Fwk1	CDR1	Fwk2
mCC49	** * * * *	*****	*****
21/28' CL	QVQLQQSDAELVKPGASVKISCKASGYTFT	DHAIH	WVKQNPEQGLEWIG
HuCC49	QVQLVQSGAEVKKPGASVKVSKASGYTFT		WVRQAPGQRLEWMG

	CDR2	Fwk3
mCC49	YFSPGNDDFKYNERFKG	KATLTADKSSSTAYVQLNSLTSEDSAVYFCTR
21/28' CL		RVTITRDTASTAYMELSSLRSEDVAVYYCAR
HuCC49	YFSPGNDDFKYNERFKG	KATLTADTSASTAYVELSSLRSEDVAVYFCTR

	CDR3	Fwk4
mCC49	SLNMAY	WGQGTSVTVSS
21/28' CL		WGQGLVTVSS
HuCC49	SLNMAY	WGQGLVTVSS

FIG. 9